

Abstract of the Disclosure

The present invention provides a graphical method to design and modify the trajectory of a well bore. A well bore trajectory plan is comprised of hold and curve sections. Hold sections are generally described by specifying the attitude of the hold and the length of the hold. Curve sections can be described and represented in a variety of ways. The present invention introduces control points that are formed at the intersection of extensions/projections of the two hold sections contacting a curve section. The hold sections contact the curve section at tangent points. The tangent points for a curve section have the same distance to the control point. In operation, as a control point is moved, the direction and inclination of multiple sections of the well plan are simultaneously modified. These simultaneous modifications enable the user to quickly and intuitively modify a well plan.

10028639-122001